

Claims

1 1. A method for data sharing comprising:  
2 storing private data within a private data memory associated with a first sharing partner;  
3 selecting a portion of the private data to provide a private data portion;  
4 selecting one or more sharing partners associated with the first sharing partner;  
5 associating the private data portion with the selected sharing partners; and  
6 replicating the selected data to the selected sharing partners.

1 2. The method of claim 1, wherein associating the private data portion with the selected  
2 sharing partner further includes:  
3 creating a data tag, including one or more of a first sharing partner tag portion associated  
4 with the first sharing partner, a selected sharing partners tag portion associated with the one or  
5 more selected sharing partners, an data identifier tag portion, and a data time identifier tag  
6 portion; and  
7 associating the data tag with the private data portion to provide tagged private data.

1 3. The method of claim 2, wherein associating the private data portion with the one or more  
2 selected sharing partners further includes:  
3 creating a copy of the tagged private data to provide a tagged private data copy; and  
4 placing the tagged private data copy into a first shared data memory associated with the  
5 first sharing partner to a provide tagged shared data copy; and  
6 associating the tagged shared data copy with a respective one of the one or more selected  
7 sharing partners indicated by the selected sharing partners tag portion.

1 4. The method of claim 3, wherein replicating the selected data to the selected sharing  
2 partners further includes:  
3 copying the tagged shared data copy to a second shared data memory associated with the  
4 respective one of the one or more selected sharing partners to provide a tagged replicated data  
5 copy.

1 5. The method of claim 4, wherein the copying further includes copying the tagged shared

2 data copy with a write-only data connection between the first shared data memory and the second  
3 shared data memory.

1 6. The method of claim 3, wherein replicating the selected data to the selected sharing  
2 partners further includes copying the tagged private data copy to the second shared data memory  
3 associated with the respective one of the one or more selected sharing partners to provide the  
4 tagged replicated data copy.

1 7. The method of claim 6, wherein the copying further includes copying the tagged private  
2 data copy with a write-only data connection between the first private data memory and the  
3 second shared data memory.

1 8. The method of claim 3, further including altering the private data portion, the data tag, the  
2 tagged private data, the tagged private data copy, the tagged shared data copy, and/or the tagged  
3 replicated data copy.

1 9. The method of claim 8, wherein altering further includes automatically updating the  
2 tagged private data, the tagged private data copy, the tagged shared data copy, and/or the tagged  
3 replicated data copy to match the private data portion when the private data portion is altered by  
4 the first sharing partner.

1 10. The method of claim 8, wherein altering the data tag further includes selecting the one or  
2 more sharing partners with a graphical user interface associated with the data tag and the first  
3 sharing partner.

1 11. The method of claim 10, wherein selecting the one or more sharing partners further  
2 includes altering the selected sharing partners tag portion with the graphical user interface.

1 12. The method of claim 8, further including automatically changing the tagged shared data,  
2 and the tagged replicated copy to match the tagged private data copy when the tagged private  
3 data copy is altered by the first sharing partner.

1 13. The method of claim 1, wherein the first sharing partner and the one or more selected  
2 sharing partners correspond to military allies, and the private data portion corresponds to military  
3 data associated with the first sharing partner.

1 14. The method of claim 13, wherein the military allies are located in different countries.

1 15. A data sharing apparatus comprising:  
2 a first sharing partner further including:  
3 a first client computer; and  
4 a first sharing partner server coupled to the first client computer wherein  
5 the first sharing partner server further includes a first private data memory  
6 containing a private data portion and a private data copy coupled to a first shared  
7 data memory to provide a first shared data copy; and  
8 one or more sharing partners associated with the first sharing partner including:  
9 a second client computer associated with a respective one of the one or  
10 more sharing partners; and  
11 a second sharing partner server coupled to the second client computer.

1 16. The data sharing apparatus of claim 15, wherein the second sharing partner server  
2 comprises:  
3 a second private data memory coupled to a second shared data memory; and  
4 a shared memory write-only data path from the first shared data memory to the second  
5 shared data memory, for coupling the first shared data copy to the second shared memory to  
6 provide a replicated data copy.

1 17. The data sharing apparatus of claim 15, wherein the second sharing partner server  
2 comprises:  
3 a second private data memory coupled to a second shared data memory; and

4 a private memory write-only data path from the first private data memory to the second  
5 shared data memory, that couples the private data copy to the second shared data memory to  
6 provide the replicated data copy.

1 18. The data sharing apparatus of claim 15, wherein the one or more sharing partners  
2 correspond to military allies, and the first private data portion corresponds to military data.

1 19. The data sharing apparatus of claim 18, wherein the military allies are in different  
2 countries.

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